



Pharmacology

Quiz time



Lec 7



****?Which of the following is the most important route for drug excretion .1****

- A) Lungs
- B) Skin glands
- C) Kidney
- D) Saliva

****Answer: C) Kidney****

****To be filtered through the glomerulus, a drug must be .2****

- A) Bound to plasma proteins
- B) Free and has a low molecular weight
- C) Lipid soluble and very large
- D) Highly ionized

****Answer: B) Free and has a low molecular weight****

****Active tubular secretion of drugs occurs primarily in the .3****

- A) Proximal tubules
- B) Distal tubules
- C) Bowman's capsule
- D) Loop of Henle

****Answer: A) Proximal tubules****

Which drug competes with Penicillin for the active transport carrier, .4**

****?decreasing its excretion**

- A) Aspirin
- B) Probenecid
- C) Vitamin C
- D) Sodium bicarbonate

****Answer: B) Probenecid****

****In case of Aspirin (weak acid) overdose, excretion is increased by .5****

- A) Acidification of urine
- B) Decreasing fluid intake
- C) Alkalization of urine (using NaHCO_3)
- D) Increasing plasma protein binding

****Answer: C) Alkalization of urine (using NaHCO_3)****

اللَّهُمَّ تَوَفَّنَا مُسْلِمِينَ، وَأَحْيَا مُسْلِمِينَ،
وَأَلْحِقْنَا بِالصَّالِحِينَ، غَيْرَ خَرَّابٍ وَلَا مَفْتُونِينَ

Acidification of urine (using Ammonium Chloride) increases the excretion .6**
**of

- A) Weak acidic drugs
- B) Neutral drugs
- C) Weak basic drugs (e.g., Amphetamine)
- D) Highly lipid-soluble drugs

Answer: C) Weak basic drugs (e.g., Amphetamine)

?Why do basic drugs undergo "Ion Trapping" in breast milk .7

- A) Because milk is more alkaline than plasma
- B) Because milk (pH 7.0) is more acidic than plasma (pH 7.4)
- C) Because basic drugs are always water-soluble
- D) Because milk contains high levels of fat

Answer: B) Because milk (pH 7.0) is more acidic than plasma (pH 7.4)

?Which drug is known to cause orange-red discoloration of sweat and tears .8**
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- A) Ampicillin
- B) Rifampicin
- C) Reserpine
- D) Penicillin

Answer: B) Rifampicin

The term "Enterohepatic circulation" refers to the drug being .9

- A) Filtered then reabsorbed in the kidney
- B) Excreted in bile then reabsorbed from the intestine
- C) Absorbed from the stomach then excreted by the lungs
- D) Metabolized in the liver then excreted in urine

Answer: B) Excreted in bile then reabsorbed from the intestine

Reserpine" is considered a "Hit and Run" drug because" .10

- A) It is excreted very rapidly from the body
- B) Its effect lasts longer than its presence in plasma due to irreversible enzyme depletion
- C) It only works when plasma concentration is at its peak
- D) It is only excreted through the lungs

Answer: B) Its effect lasts longer than its presence in plasma due to**

**irreversible enzyme depletion